

A SYNOPSIS OF THE FISHES OF SOUTH AUSTRALIA.
PART III.

By A. ZIETZ, F.L.S., C.M.Z.S., etc.

[Read April 6, 1909.]

Family, SYNGNATHIDÆ (*continued from vol. xxxii.,
p. 299*).

70. **Hippocampus abdominalis**, Kaup.

Coorong, South Australia.

Distribution—South Australia, Victoria, Tasmania.

Family, PEGASIDÆ.

Genus, PEGASUS, Linn. (1758).

71. **Pegasus lancifer**, Günth.

Spencer Gulf, dredged by Dr. J. C. Verco.

Distribution—South Australia, Tasmania.

Family, SCOMBRESOCIDÆ.

Genus, SCOMBRESOX, Lacép. (1803).

72. **Scombrosox forsteri**, Cuv. and Val.

Hist. Nat., Poiss., xviii., 1846, p. 481. McCoy, Prod. Zool.,
Vict., dec. xiv., pl. 135, fig. 2. (Bill Fish.)

Distribution—New South Wales, Victoria, South Aus-
tralia.

Genus, HEMIRHAMPHUS, Cuv. (1817).

73. **Hemirhamphus intermedius**, Cant.

Ann. and Mag., Nat. Hist., ix., 1842, p. 485. McCoy, Prod.
Zool., Vict., dec. xiv., pl. 135, fig. 1. (Sea Garfish.)

South Australian coast.

Distribution—Queensland, New South Wales, South
Australia, Victoria, Western Australia, Tasmania.

Genus, EXOCÆTUS, Linn. (1758).

74. **Exocætus evolans**, Linn.

Syst. Nat., ed. xii., 1766, p. 521. Day, Fish of India, pl.
cxx., fig. 5. (Flying Fish.)

Gulf St. Vincent and Spencer Gulf.

Distribution—Seas of temperate and tropical zones
(Günther).

Family, *ATHERINIDÆ*.Genus, *ATHERINA*, Linn. (1758).75. *Atherina pinguis*, Lacép, Günth.

Cat. Fish., iii., p. 399.

South Australian coast.

Distribution—New South Wales, South Australia.

76. *Atherina interioris* (M.S.), Zietz.Proc. Roy. Soc., S.A. (*Description to follow.*)

Found in the overflow of the artesian water of Coward and Strangways Springs, Central Australia.

Genus, *ATHERINICHTHYS*, Bleek.77. *Atherinichthys picta*, Cast.

Proc. Zool. Soc., Vict., vol. i., p. 137.

South Australia: Patawalonga Creek, Saltwater Lake near Robe, Lake Alexandrina.

Distribution—Victoria, South Australia.

78. *Atherinichthys cephalotes*, Cast.

Proc. Zool. Soc., Vict., vol. i., p. 137.

Thistle Island, in Spencer Gulf.

Distribution—South Australia, Victoria.

Genus, *RHOMBATRACTUS*, Gill. (1894).79. *Rhombatractus winneckeii*, Zietz.

Report Horn Scientific Expedition, p. 179, fig. 3.

River Finke, Central Australia.

80. *Rhombatractus tatei*, Zietz.

Report Horn Scientific Expedition, p. 178, fig. 2.

River Finke, Central Australia.

Genus, *NEOTHERINA*, Cast.81. *Neoatherina australis*, Cast.

Res. Fish, Aust., p. 31, 1875.

Freshwater Lake, near Robe, south-east of South Australia.

Family, *MUGILIDÆ*.Genus, *MUGIL*, Linn. (1758).82. *Mugil peronii*, Cuv. and Val.

Hist. Nat., Poiss., xi., 1836, p. 138. Ogilby, Edible Fish, N.S.W., pl. xxxii. Stead, Edible Fish, N.S.W., pl. xiii. (Flat-tailed or Jumping Mullet.)

South Australian coast.

Distribution—Queensland, New South Wales, Victoria, South Australia.

Genus, *AGONOSTOMA*, Benn. (1830).

83. *Agonostoma forsteri*, Cuv. and Val.

Hist. Nat., Poiss., xi., 1836, p. 141. Voy. Ereb. and Terr., pl. xxvi., figs. 1-4. (Fresh-water Mullet.)

Lower Murray, South Australia.

Distribution—New South Wales, South Australia, Victoria, Western Australia,⁽¹⁾ Tasmania.

Genus, *MYXUS*, Günth. (1861).

84. *Myxus elongatus*, Günth.

Cat. Fish, iii., p. 466. Kner, Voy. Novara. Fish. p. 230. Macleay, Proc. Linn. Soc., N.S.W., iv., p. 426. (Sand Mullet.)

South Australian coast.

Distribution—Queensland, New South Wales, South Australia, Victoria, Lord Howe Island.

Family, *SPHYRÆNIDÆ*.

Genus, *SPHYRÆNA*, Bl. Schn. (1801).

85. *Sphyræna novæ-hollandiæ*, Günth.

Cat. Fish, ii., 1860, p. 335. Ogilby, Edible Fish, N.S.W., pl. xxx. (Australian Pike.)

South Australian coast.

Distribution—New South Wales, South Australia, Victoria, Western Australia.

86. *Sphyræna obtusata*, Cuv. and Val.

Hist. Nat., Poiss., iii., 1829, p. 350. Günth. Fische der Südsee, pl. cxix., fig. B. (Australian Pike.)

Only one specimen from Gulf St. Vincent.

Distribution—This species is known from the Pacific Ocean, and has also been recorded from the coast of New South Wales.

87. *Sphyræna mordax*, Günth.

Ann. and Mag., Nat. Hist., 1872, vol. x., p. 183. Dinolestes, Mulleri, Klunz, Arch. f. Naturg., 1872, p. 29, tab. 3. *Noesphyræna multiradiata*, Cast., Proc. Zool. Soc., Vict., i., p. 96.

South Australian coast, 14 fathoms depth; 1 specimen (Mr. Alf. Searcy); a second specimen received from Mr. Ed. Daw.

(1) In Western Australia this fish is called "Pilehard." See list of the fishes of Western Australia, published in 1902, by B. H. Woodward.

Distribution—New South Wales, South Australia, Victoria.

Sub-order, *ANACANTHINI*.

Family, *MACRURIDÆ*.

Genus, *CORYPHÆNOIDES*.

88. *Coryphænoides denticularis*, Rich.

Ereb. and Terr., pl. liii., figs. 1-3.

This species has been recorded from South Australia.

Family, *GADIDÆ*.

Genus, *LOTELLA*, Kaup. (1858).

89. *Lotella callarias*, Günth.

Ann. and Mag., Nat. Hist. (3), xi., 1863, p. 116. McCoy, Prod. Zool., Vict., dec. ii., pl. xix. (Beardy.)

Gulf St. Vincent.

Distribution—New South Wales, South Australia, Victoria, Tasmania.

Genus, *PHYSICULUS*, Kaup. (1858).

90. *Physiculus barbatus*, Günth.

Ann. and Mag., Nat. Hist. (3), xi., 1863, p. 116. McCoy, Prod. Zool., Vict., dec. ii., pl. xx. (Victorian Rock Cod.)

South Australian coast.

Distribution—New South Wales, South Australia, Victoria, Tasmania.

91. *Physiculus bachus*, Forst.

In Bl. Schn. Syst. Ichthy., 1801, p. 53. Rich., Voy., Ereb. and Terr., pl. xxxvii., figs. 1-2. (Red Cod.)

Only a single specimen from Gulf St. Vincent.

Distribution—New Zealand, New South Wales, South Australia.

Sub-order, *ACANTHOPTERYGII*.

Division, *PERCIFORMES*.

Family, *BERYCIDÆ*.

Genus, *BERYX*, Cuv. (1829).

92. *Beryx affinis*, Günth.

Cat. Fish, i., 1859, p. 13. Hutton, Ann. and Mag., Nat. Hist., 1877, xix., p. 341. Günth., Ann. and Mag., Nat. Hist., vi., vol. i., xxvi., on Austr. Fishes of the Gen. *Beryx*, 1888.

South Australian coast.

Distribution—New South Wales, South Australia, Tasmania, and probably New Zealand.

93. *Beryx gerrardi*, Günth.

Ann. and Mag., Nat. Hist., vi., vol. i., xxvi., on Austr. Fishes of the Gen. *Beryx*, 1888.

South Australian coast.

94. *Beryx lineatus*, Cuv. and Val.

Cuv. and Val., iii., p. 226. Günth., Fish, i., p. 13 (*Beryx mülleri*, Klunz). S.B. Ak. Wiss. Wien (1880), lxxx., p. 359, taf. iii., fig. 1. Ann and Mag., Nat. Hist., vi., vol. i., xxvi., on Austr. Fishes of the Gen. *Beryx*, 1888.

Gulf St. Vincent.

Distribution—King George Sound, South Australia. (Günther).

Family, PEMIPHERIDÆ.

Genus, PEMIPHERIS, Cuv. (1829).

95. *Pempheris compressus*, Shaw.

In White's Voy., N.S.W., 1790, p. 267, fig. 2. (Bullseye.)

One specimen 2 in. long, Gulf St. Vincent.

Distribution—New South Wales, South Australia.

96. *Pempheris*, sp.

Gulf St. Vincent.

Two dried specimens, which were given to me by the late Mr. Jagoe, of the Semaphore, differ in many details from *P. macrolepis*, of which Waite gives an excellent plate in the Memoir iv., Austral. Mus., in the Report on the Trawling Exped. H.M.C.S. "Thetis." In our specimens the body is not so much elevated in the front, as shown in the plate, the scales being smaller, and the rays of the dorsal fin number only 2-10. The pectorals touch the first rays of the anal. The ventrals do not reach the latter, but leave a space between, about the length equal to the diameter of the eye. The abdominal opening is situated halfway between them. This could be an undescribed species.

Family, KYPHOSIDÆ.

Genus, KYPHOSUS (Lacép.) (1802), Cuv., Règne.

97. *Kyphosus sydneyanus*, Günth.

Anim. Ann. and Mag., Nat. Hist. (5), xviii. 1886, p. 368. Ogilby, Edible Fish, N.S.W., pl. xvi.

Gulf St. Vincent (late Dr. Wylde).

Distribution—New South Wales, South Australia.

Family, NANDIDÆ.

Genus, RUPPELIA, Cast.

98. *Ruppelia prolongata*, Cast.

Proc. Zool. Soc., Vict., ii., p. 51, 1873. Res. Fish, Austr., p. 29.

Gulf St. Vincent.

Distribution—South Australia, Port Phillip (Victoria); type locality: Fremantle (Western Australia) (Cast.).

Family, SERRANIDÆ.

Genus, PERCALATES, Ramsay and Ogilby.

Proc. Lin. Soc., N.S.W. (2), 1887, ii., p. 182.

99. *Percalates colonorum*, Günth.

Ann. and Mag., Nat. Hist. (3), 1863, xi., p. 114. Cast., Proc. Zool. Soc., Vict., dec. ii., pl. xiv. Macleay, Cat. Austr. Fish, i., p. 4. Ten-Woods, Fisher, N.S.W., p. 31, pl. i. Johnston, Proc. Roy. Soc., Tasm., 1882, pp. 59, 110. Stead, Edible Fish, N.S.W., p. 53, pl. xxii. Zietz, Fish, Lower Murray, Trans. Roy. Soc., S.A., 1902.

Lower Murray, River Glenelg (S.E.), etc.

Distribution—New South Wales, South Australia, Victoria, Western Australia, Tasmania.

Genus, PLECTROPLITES, Gill. (1863).

100. *Plectroplites ambiguus*, Rich.

Ereb. and Terr., 1845, p. 25, pl. xix. McCoy, Prod. Zool., Vict., dec. ix., pl. lxxxiv. Stead, Edible Fish, N.S.W., p. 55, pl. xxiii. Zietz, Fish, Lower Murray, Trans. Roy. Soc., S.A., 1902. (Golden Perch.)

South Australia: River Murray.

Distribution—Mary River (Queensland), abundant in all the rivers and lagoons connected with the Murray River.

Genus, OLIGORUS, Günth. (1859).

101. *Oligorus macquariensis*, Cuv. and Val.

Hist. Nat., Poiss., iii., 1829, p. 58. McCoy, Prod. Zool., Vict., dec. ix., pls. lxxxv. and lxxxvi. Zietz, Fish, Lower Murray, Trans. Roy. Soc., S.A., 1902.

South Australia: River Murray (Murray Cod).

Distribution—Queensland, New South Wales, South Australia, Victoria.

Genus, COLPOGNANTHUS, Klunz.

102. *Colpognanthus dentex*, Cuv. and Val.

Sitzb., Ak. Wien, lxxx., i., 1880, p. 339. Günth., Cat., i., p. 160. Rich., Voy. Ereb. and Terr., pl. lvii., figs. 3-5. (Sea Perch.)

South Australian coast.

Distribution—South Australia, Western Australian coast (King George Sound).

Genus, GILBERTIA, Jord. and Eigenm.

103. **Gilbertia nigrorubrum**, Cuv. and Val.

Hist. Nat., Poiss., ii., 1828. Quoy and Gaim., Voy. Astrolobe, pl. iv., fig. i. Bull. U.S. Fish Comm., viii., 1890, p. 346.

South Australian coast.

Distribution—New South Wales, South Australia, Western Australia (King George Sound).

Genus, CÆSIOPERCA, Cast.

104. **Cæsioperca rasor**, Rich.

Proc. Zool. Soc., 1839, p. 95. Trans. Zool. Soc., 1849, p. 73, pl. iv., fig. i. Günth., Cat., i., p. 93. Proc. Zool. Soc., Vict., i., 1872, p. 49.

South Australian coast (Barber).

Distribution—New South Wales, South Australia, Victoria, Tasmania.

105. **Cæsioperca extensa**, Klunz.

Sitzb., Ak. Wien, lxxx i., 1880, p. 339, pl. ii.

Gulf St. Vincent (one specimen).

Distribution—Hobson Bay (Victoria), South Australia.

Genus, ENOPLONUS, Lacép.

Hist., Poiss., iv., p. 541, 1802. Cuv. and Val., Hist. Nat., Poiss., ii., p. 133, 1828.

106. **Enoplosus armatus**, Shaw.

In White's Voy., N.S.W., 1790, p. 254, fig. 1. Lacép., Hist., Poiss., iv., p. 541. Cuv. and Val., Hist. Nat., Poiss., ii., p. 133, pl. xx. Günth., Cat. Fish, i., p. 81. Macleay, Cat. Austr. Fish, i., p. 9. Ten.-Woods, Fishes, N.S.W., p. 32, pl. ii. (Old Wife.)

South Australian coast.

Distribution—Bays and estuaries from Moreton Bay to Melbourne (Ogilby).

Genus, HISTIOPTERUS, Temm. and Schleg. (1844).

107. **Histiopterus labiosus**, Günth.

Proc. Zool. Soc., 1871, p. 658, pl. lix.

South Australia (W. Macleay).

Distribution—South Australia, Victoria, Tasmania.

108. **Histiopterus recurvirostris**, Rich.

Voy. Ereb. and Ter., p. 34, pl. xxii. Castelnau, Zool. Soc., Vict., i., p. 109. (Boar Fish.)

South Australian coast.

Distribution—South Australia, Victoria, Tasmania.